

APPROVED	
APPROVED	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS
DRAFTSMAN	

Title: TIME-BASED MODELING
 Inventor: Jonathan M. FRIEDMAN and Flynn D. FRIEDMAN
 Application No.: To Be Assigned
 Docket No.: 410862000111

Sheet 1 of 29

1/29

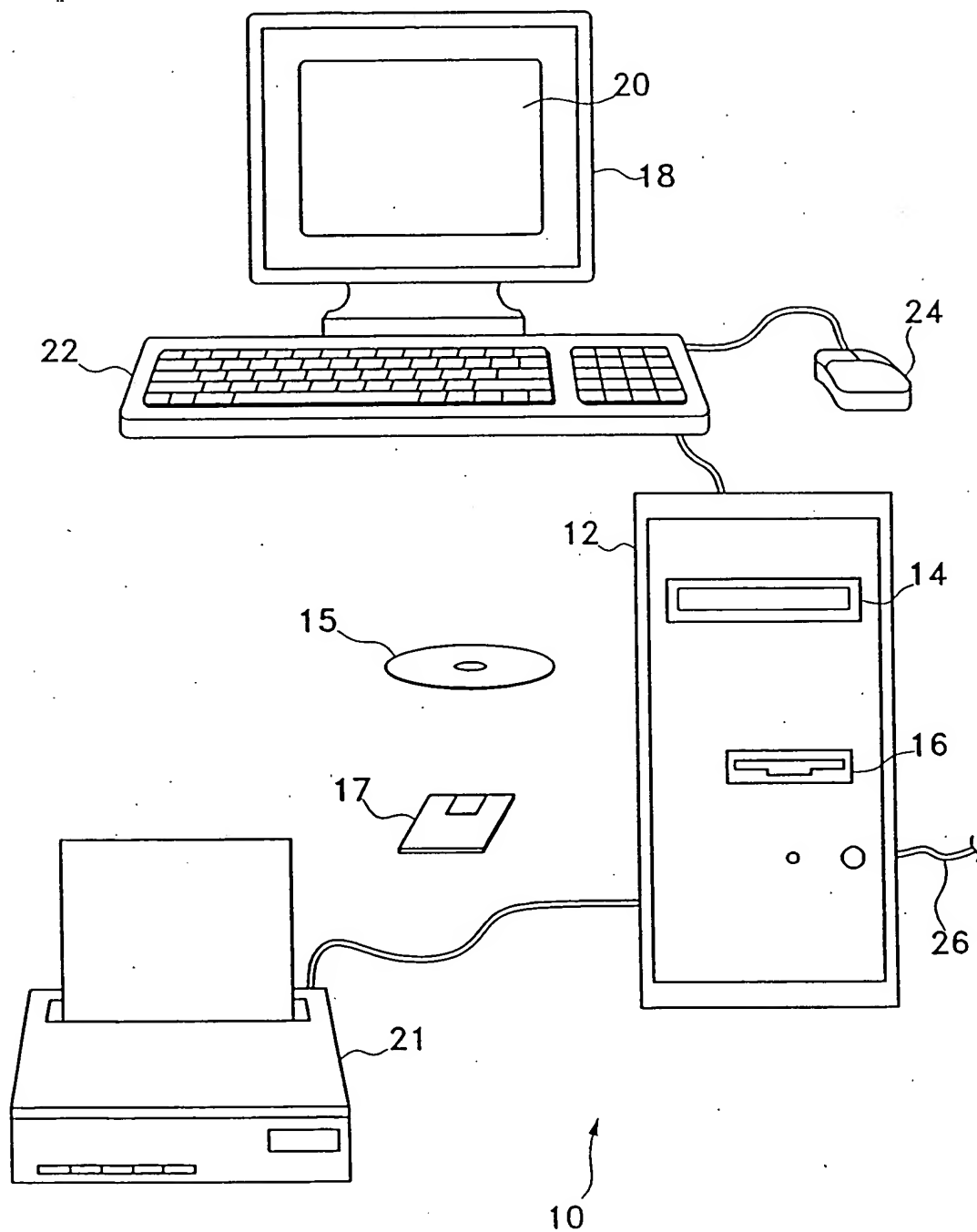
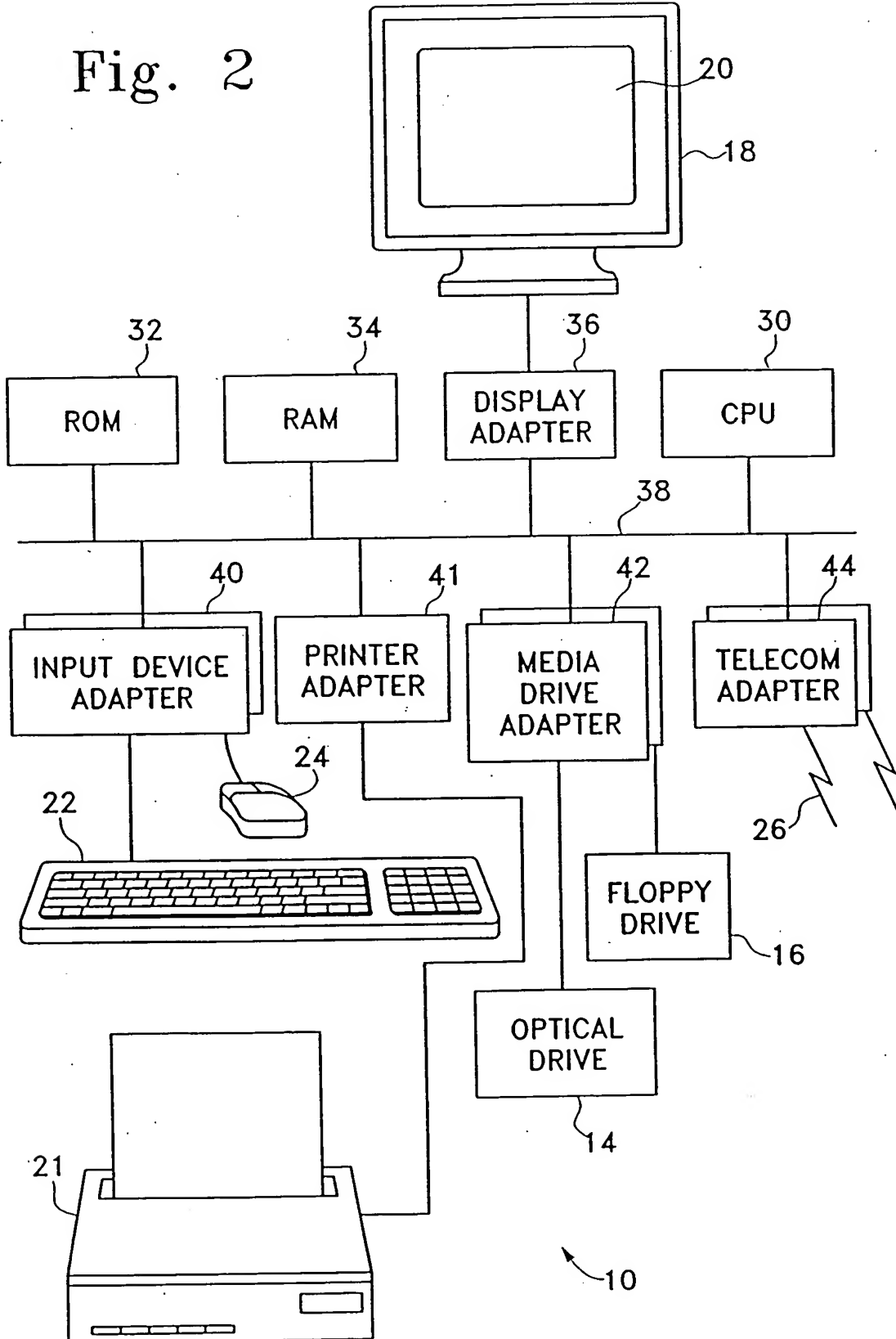
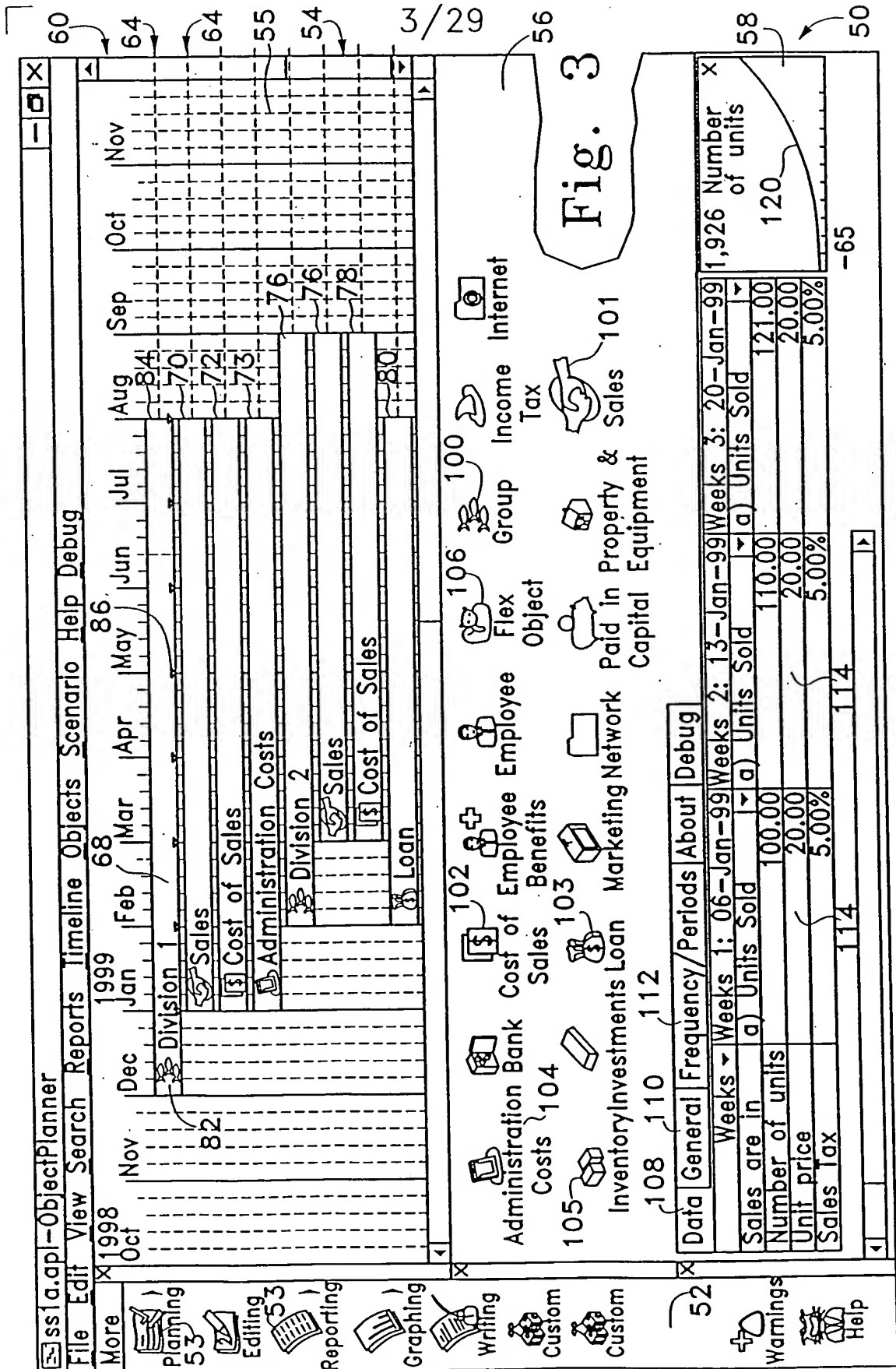


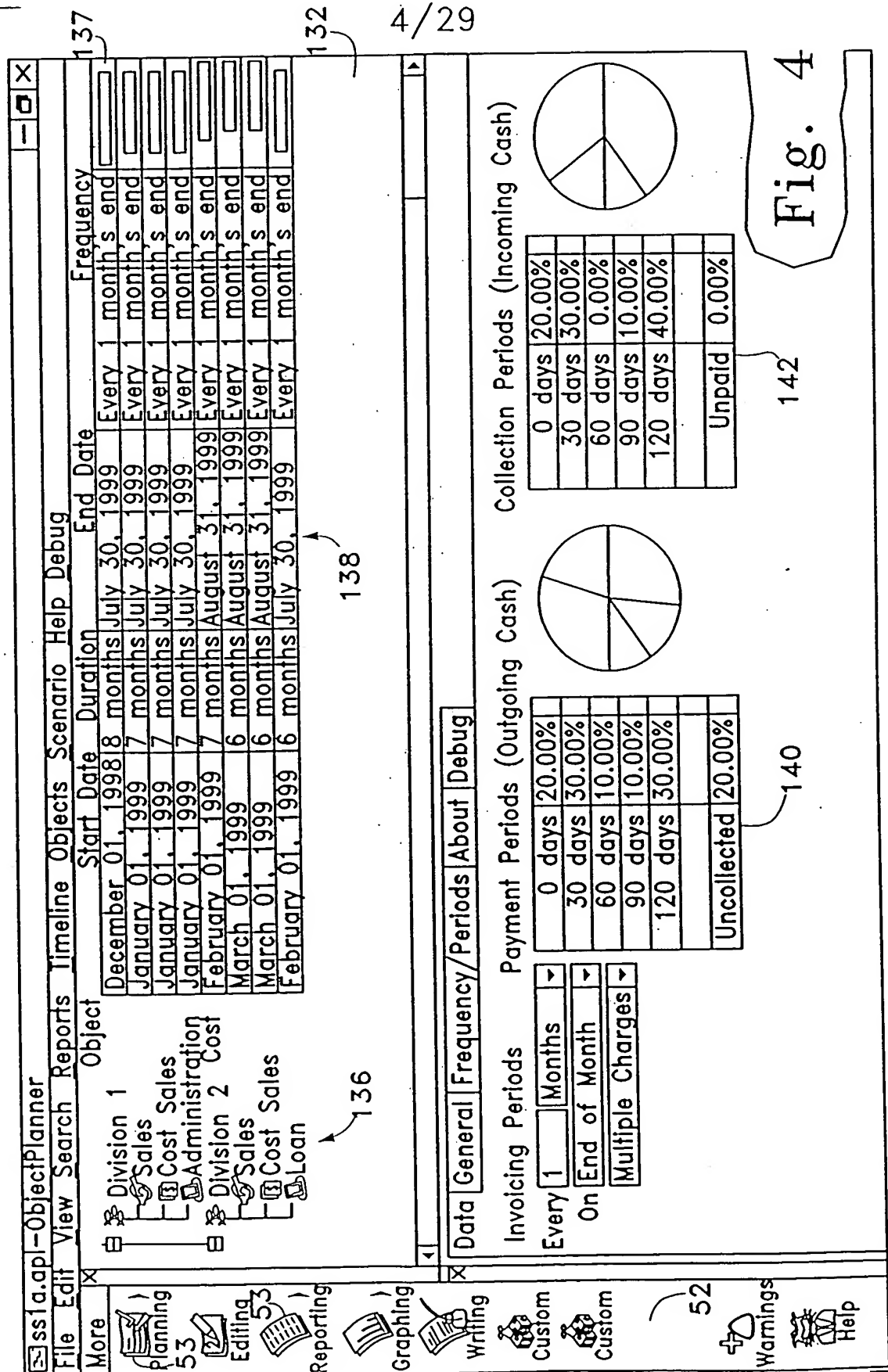
Fig. 1

2/29

Fig. 2







APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
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 Instructor: Jonathan M. FRIEDMAN and Flynn D. FRIEDMAN
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Sheet 5 of 29

ss1a.apl-ObjectPlanner

File Edit View Search Reports Timeline Objects Scenario Help Debug

Object	Start Date	Duration	End Date	Frequency
Division 1	December 01, 1998	8 months	July 30, 1999	Every 1 month's end
Sales	January 01, 1999	7 months	July 30, 1999	Every 1 month's end
Cost Sales	January 01, 1999	7 months	July 30, 1999	Every 1 month's end
Administration	January 01, 1999	7 months	July 30, 1999	Every 1 month's end
Division 2 Costs	February 01, 1999	7 months	August 31, 1999	Every 1 month's end
Sales	March 01, 1999	6 months	August 31, 1999	Every 1 month's end
Cost Sales	March 01, 1999	6 months	August 31, 1999	Every 1 month's end
Loan	February 01, 1999	6 months	July 30, 1999	Every 1 month's end

Change

<input checked="" type="checkbox"/> Cost of Sales's Start Date changed from Wed, Dec 30, 1998 to Fri, Jan 01, 1999	10/14/98	16:24:43
<input checked="" type="checkbox"/> Loan's Start Date changed from Mon, Mar 01, 1999 to Mon, Feb 01, 1999	10/14/98	16:24:33
<input checked="" type="checkbox"/> Loan created	10/14/98	16:24:28
<input checked="" type="checkbox"/> Cost of Sales' Duration changed from 4 months to 7 months	10/14/98	16:24:18
<input checked="" type="checkbox"/> Cost of Sales' Start Date changed from Thur, Mar 04, 1999 to Mon, Mar 01, 1999	10/14/98	16:24:15
<input checked="" type="checkbox"/> Cost of Sales' Duration changed from 4 months to 6 months	10/14/98	16:24:11
<input checked="" type="checkbox"/> Cost of Sales' Start Date changed from Wed, Dec 30, 1998 to Fri, Jan 01, 1999	10/14/98	16:24:09
<input checked="" type="checkbox"/> Division 1's Name changed from Division 1 to Division 2	10/14/98	16:23:49
<input checked="" type="checkbox"/> Cost of Sales' Start Date changed from Fri, Jan 29, 1999 to Mon, Feb 01, 1999	10/14/98	16:23:45
<input checked="" type="checkbox"/> Division 1 posted	10/14/98	16:23:43
<input checked="" type="checkbox"/> Group's Name changed from Group to Division 1	10/14/98	16:23:34
<input checked="" type="checkbox"/> Cost of Sales' Percent of sales changed from 0.00% to 20.00%	10/14/98	16:23:19
<input checked="" type="checkbox"/> Sales' Every changed from 1 month to Every 1 month's end	10/14/98	16:23:11

Fig. 5

APPROVED	C.G. FIG.
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 Investigator: Jonathan M. FRIEDMAN and Flynn D. FISHERMAN
 Application No.: To Be Assigned
 Docket No.: 410862000111

Sheet 6 of 29

6/29

150

ss aapl-ObjectPlanner									
File Edit View Search Reports Timeline Objects Scenario Help Debug									
More									
Planning 53									
Editing 53									
Reporting									
Graphing									
Writing									
Custom									
Custom									
52									
Warnings									
Help									
Fig. 6									
My Business									
INCOME FORECAST									
FOR THE PERIOD ENDED Friday, September 29, 2000									
	29-Jan-99	26-Feb-99	31-Mar-99	30-Apr-99	31-May-99	30-Jun-99	30-Jul-99		
	\$	\$	\$	\$	\$	\$	\$		
REVENUE	300.00	270.00	243.00	218.70	196.83	177.15	159.43		
Division 1 Sales			673.49	1,037.50	1,449.95	2,223.97	3,581.72		
Division 2 Sales									
TOTAL REVENUE	\$300.00	\$270.00	\$916.49	\$1,256.20	\$1,646.78	\$2,401.11	\$3,741.15		
COST OF GOODS AND SERVICES	60.00	54.00	183.30	251.24	329.36	480.22	748.23		
Cost of materials									
Production payroll		2,500.00	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00		
Direct costs									
TOTAL COST OF SALES	\$60.00	\$2,554.00	\$2,683.30	\$2,751.24	\$2,829.36	\$2,980.22	\$3,248.23		
GROSS PROFIT	\$240.00	(\$2,284.00)	(\$1,766.81)	(\$1,495.04)	(\$1,182.57)	(\$579.11)	\$492.92		
TOTAL ADMINISTRATION EXPENSES	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00		
TOTAL OPERATING EXPENSES	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00	\$145.00		
NET INCOME	\$95.00	(\$2,429.00)	(\$1,911.81)	(\$1,640.04)	(\$1,327.57)	(\$724.11)	\$347.92		
CUMULATIVE NET INCOME	\$95.00	(\$2,334.00)	(\$4,245.81)	(\$5,885.85)	(\$7,213.43)	(\$7,937.54)	(\$7,589.61)		

7/29

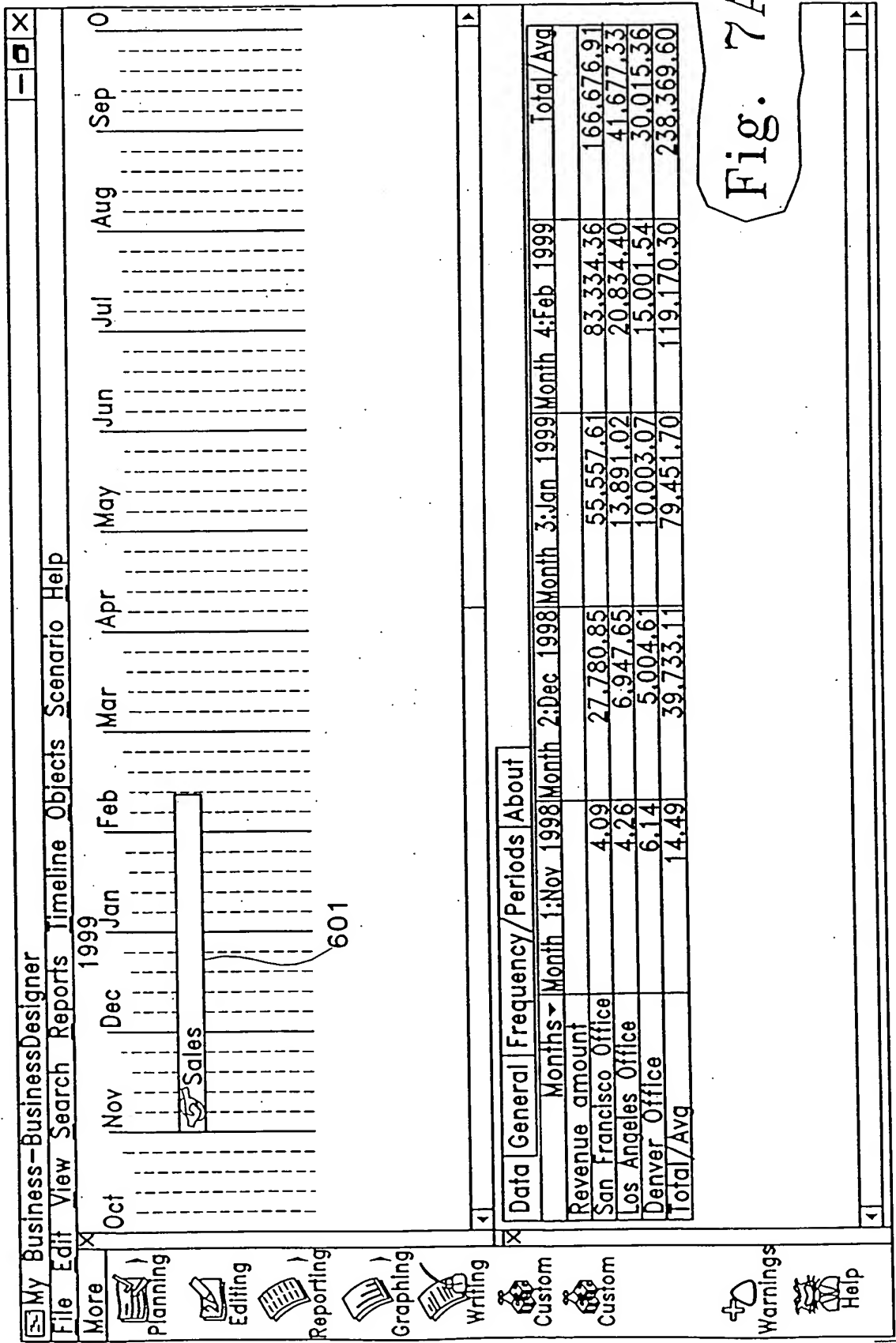


Fig. 7A

APPROVED	O.G. FIG.
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 Docket No.: 410862000111

Sheet 8 of 29

8/29

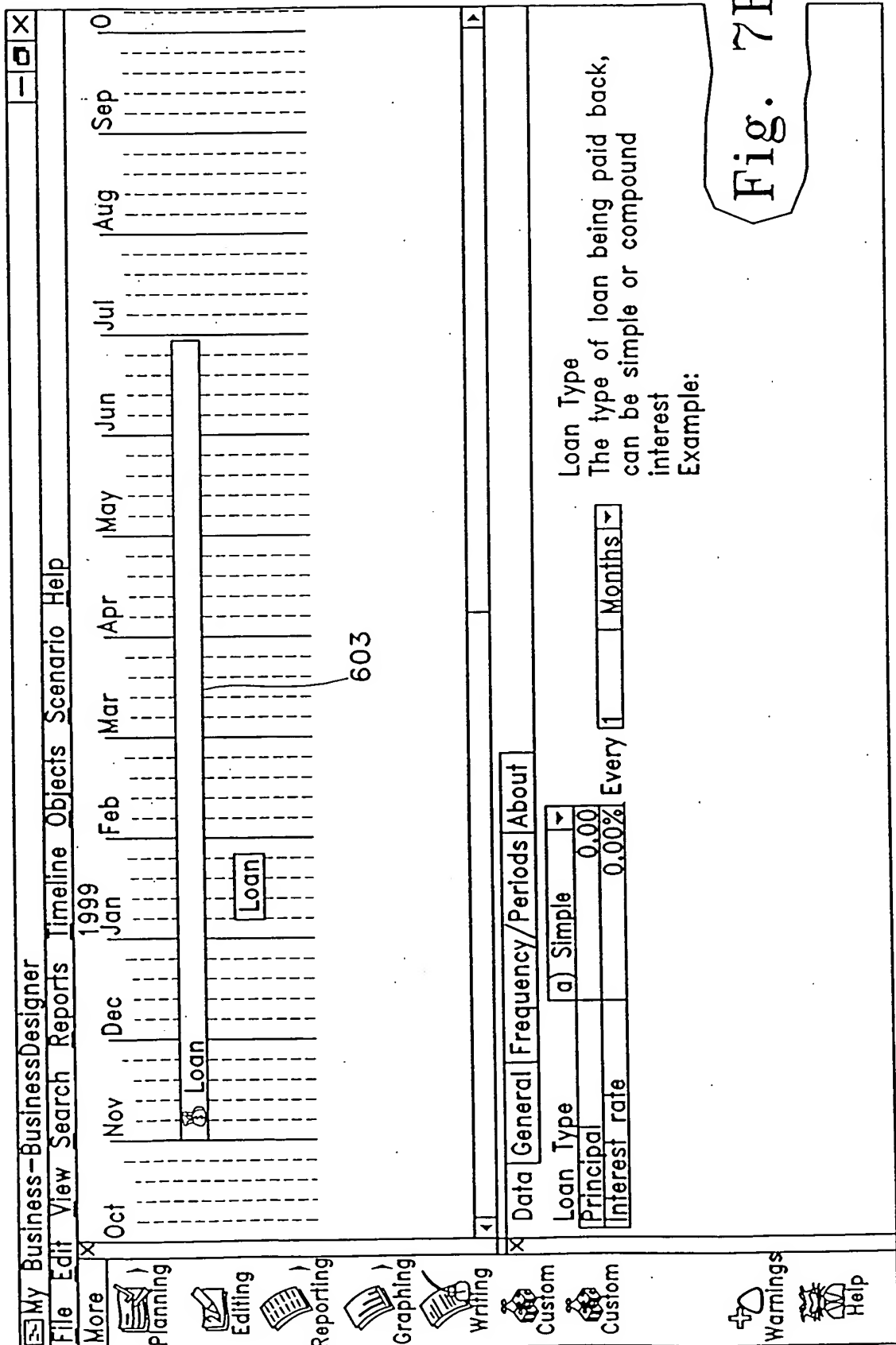
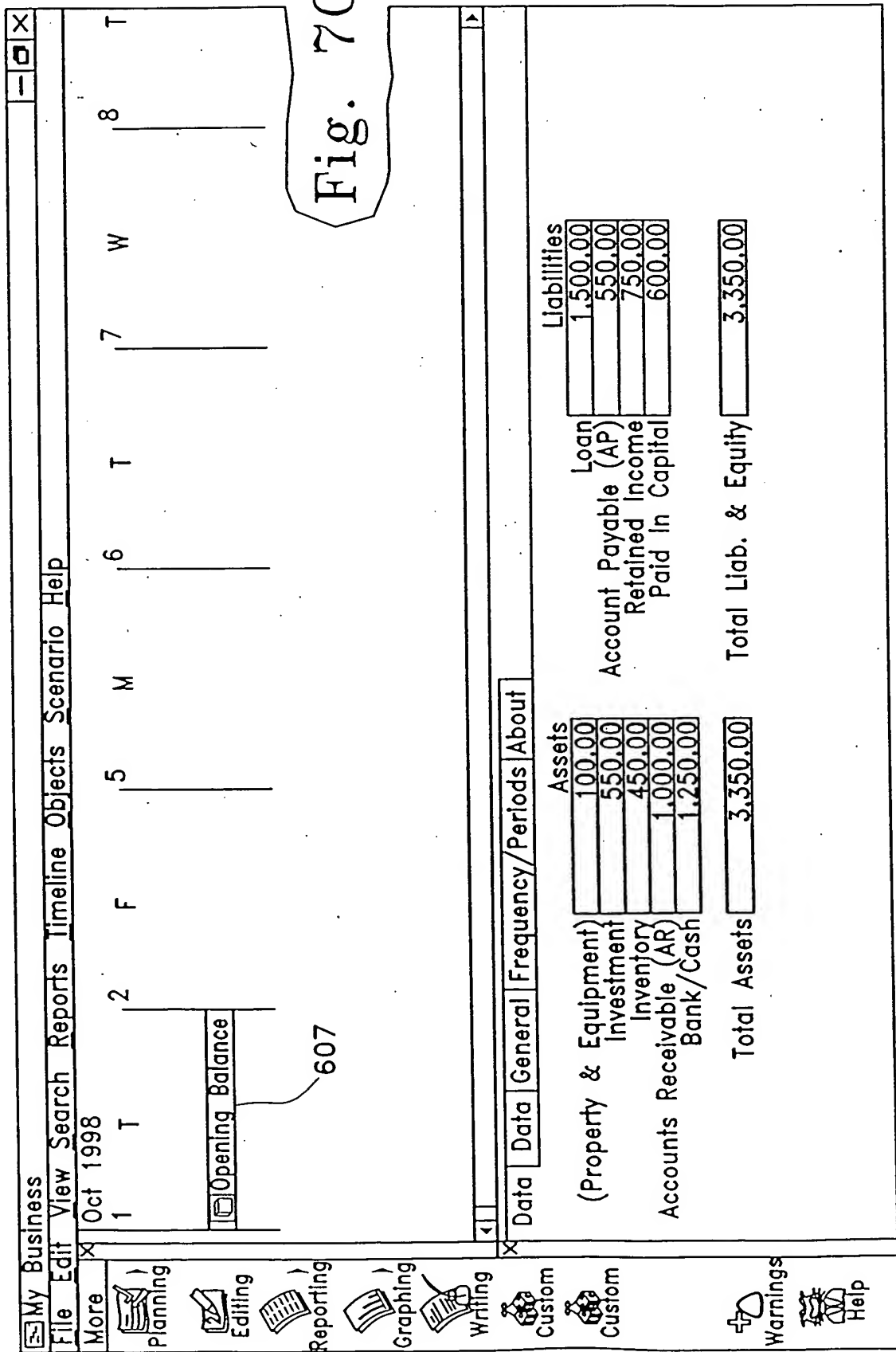


Fig. 7B

9/29

Fig. 7C



10/29

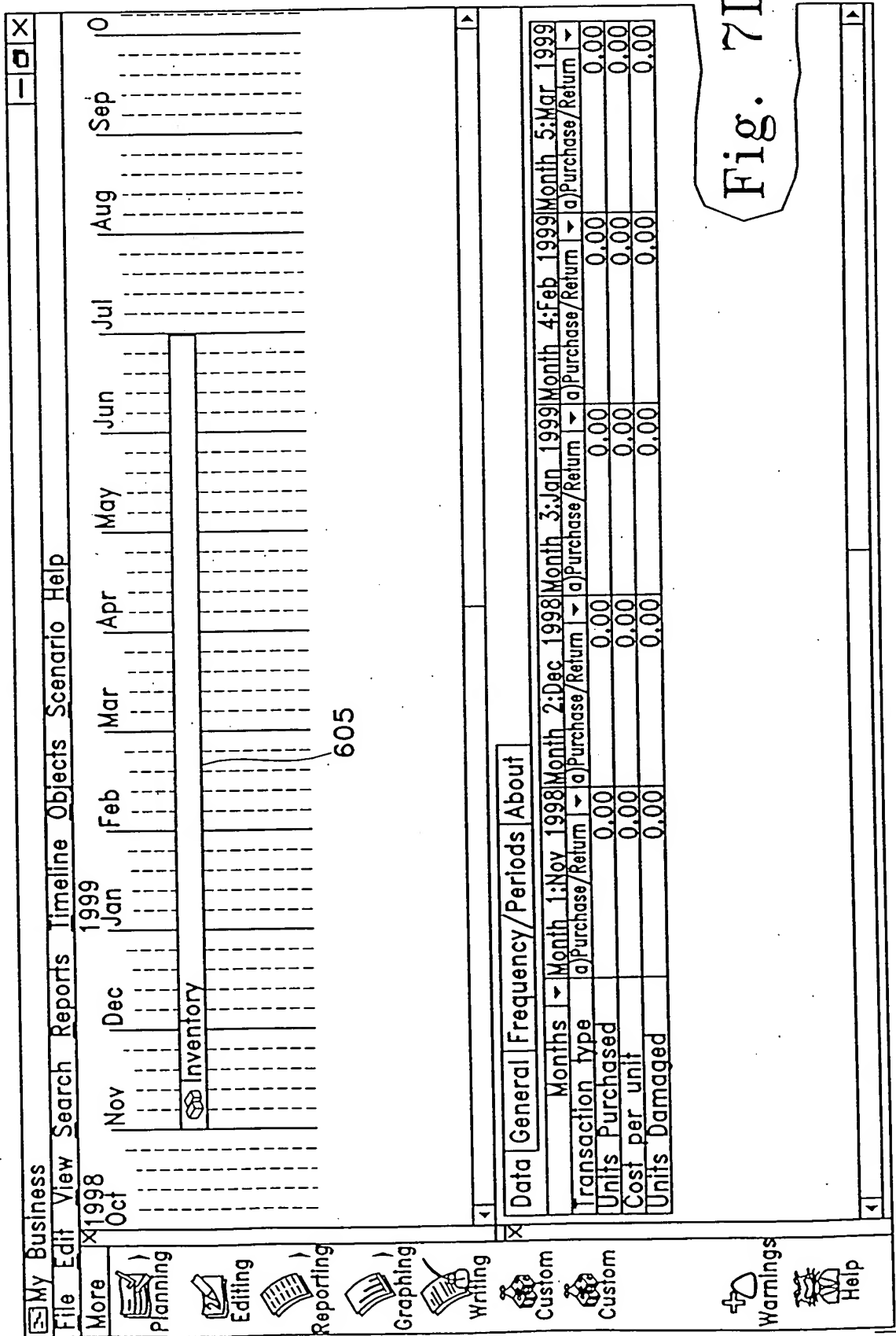
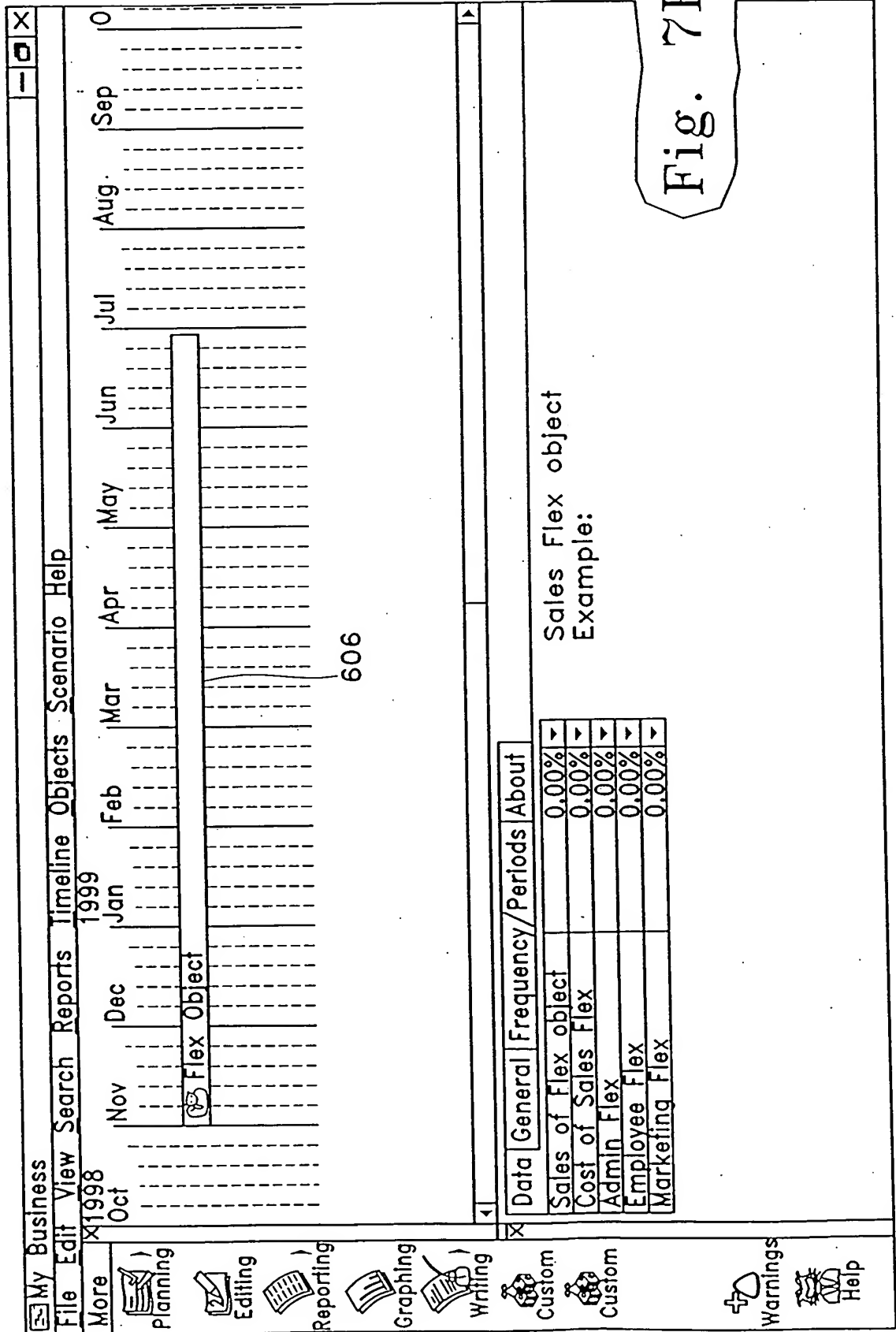


Fig. 7D

11/29

Fig. 7E



12/29

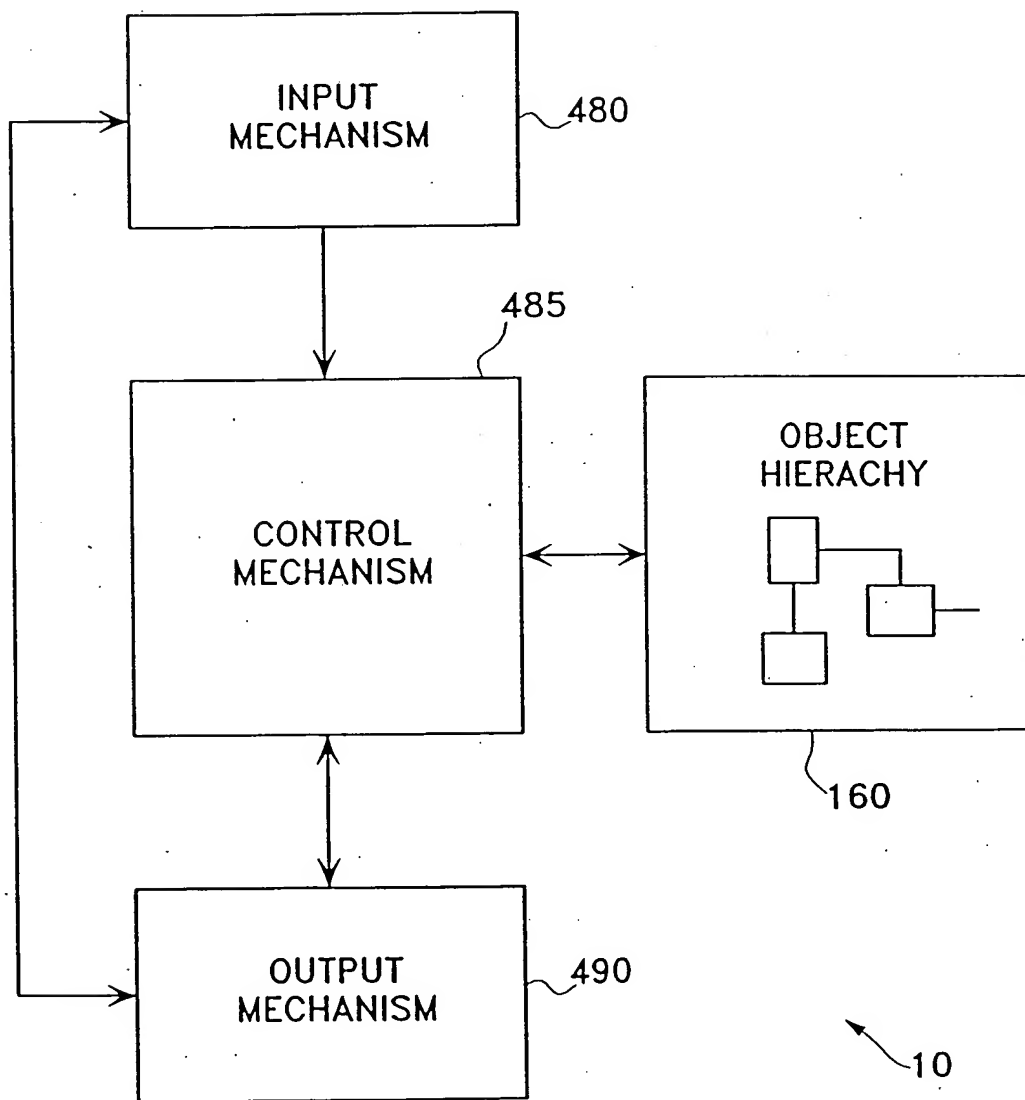


Fig. 8

13/29

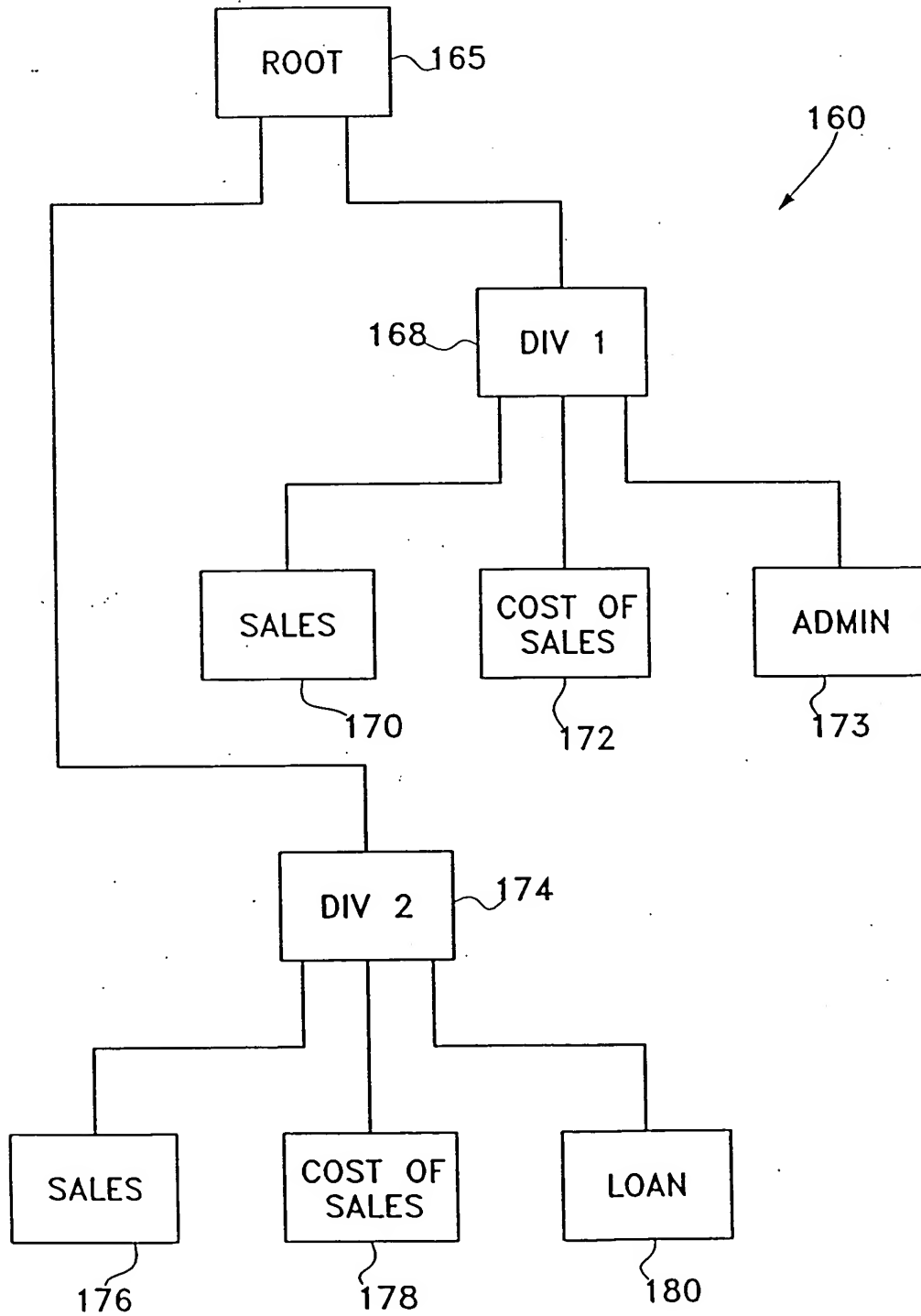


Fig. 9

14/29

Fig. 10

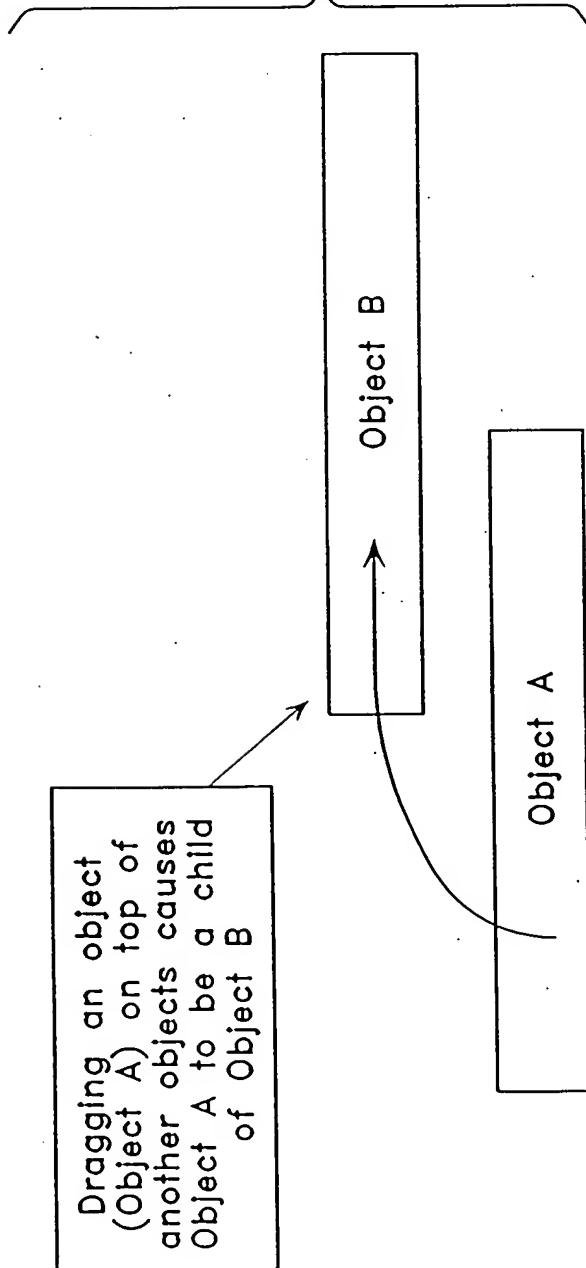
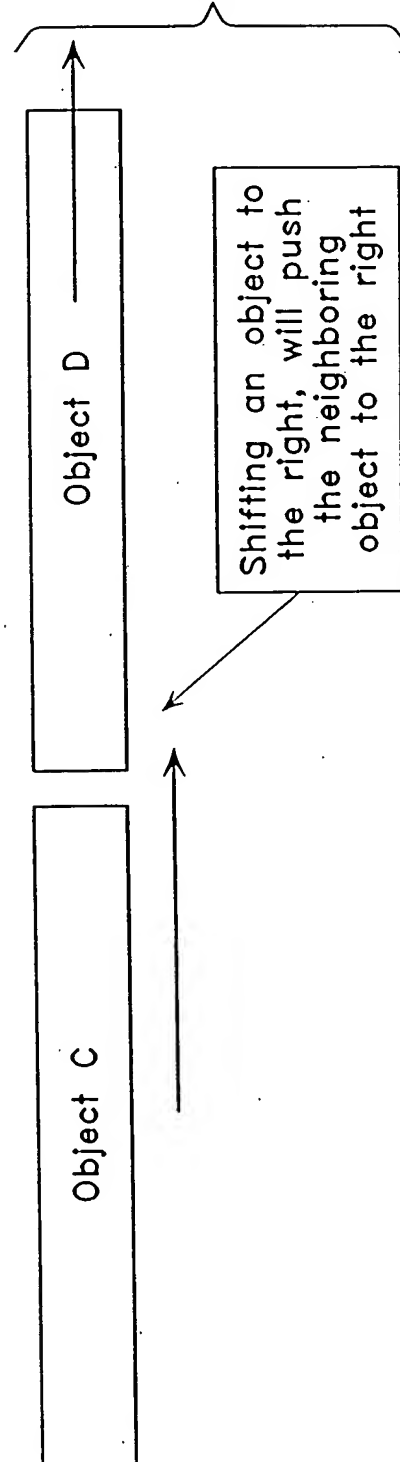


Fig. 11



15/29

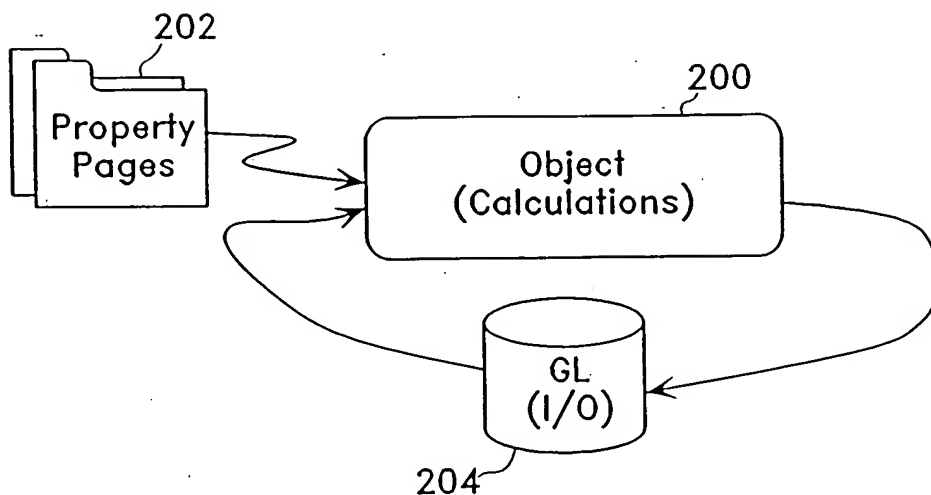


Fig. 12

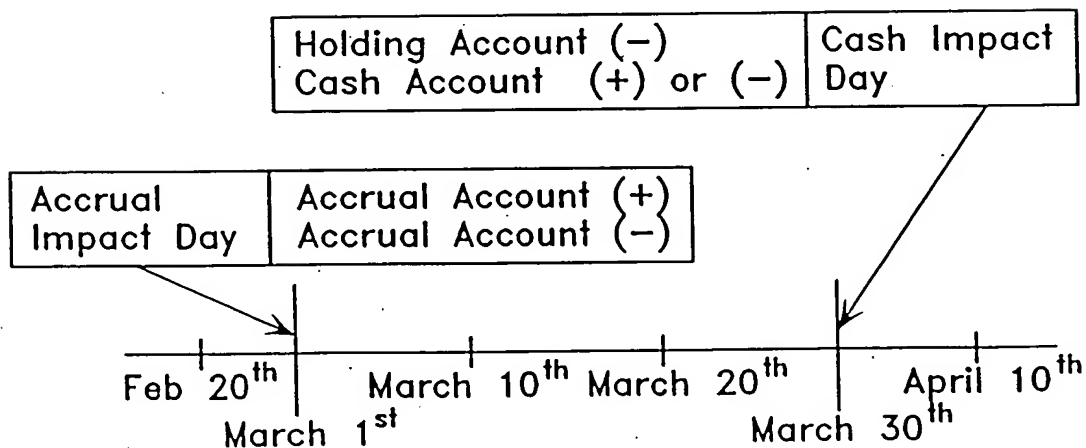


Fig. 13

16/29

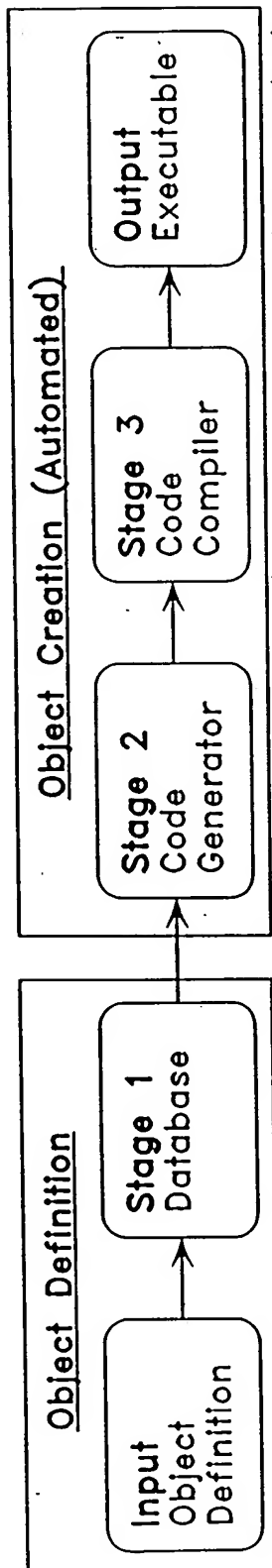


Fig. 14

Property Entry		Comments Who/When
Property ID	szCostOutput	Usage Example: The company could pay \$10.00 (cost of materials) for fabric and \$5.00 (direct cost) to ship the materials
Caption	Type of Cost	
Description	The type of cost being recorded.	
String List	a) Materials; b) Direct Cost	
Type	String List	
Multiple Items	Sum	Keywords:
<input checked="" type="checkbox"/> Format as Currency <input type="checkbox"/> Format as Percentage <input type="checkbox"/> Is this a global property		BOD Notes:
		Property List

Fig. 15

17/29

Account Entry

Remember you specify the "prefix" in the relations tab and not as part of the "Account Name"

Account Name: Trade

Caption: Sales

Description: Total Sales for all products

Rep Order: 5330 Type: Account

☒ Format as Currency
☐ Format as Percentage
☐ On reports default to account change

Relations Comments Who/When

Account Prefix	Direction
rv	Increase
cf	Increase
ar	Increase
*	Increase

Parent

Account Prefix	Direction
arReceivable	arTrade
cfRevenue	cfTrade
rvRevenue	rvTrade

Child

Account Prefix	Direction
arReceivable	arTrade
cfRevenue	cfTrade
rvRevenue	rvTrade

Fig. 16

Chart of Accounts

Id	Parent ID	Child ID	Contribution Mode
315	acInventoryCount	acInventoryCountPurchase	Add
916	acInventoryCount	acInventoryCountSale	Add
924	acInventoryCount	acInventoryCountWriteOff	Add
894	bsLiabilityLongTerm	acPrincipleOutstanding	Add
878	acStaff	acStaffAdmin	Add

Fig. 17

Object							
Name Sales		<input type="button" value="Lookup..."/>					
Calculations		Input Details	Criteria	User Notes	Development	Notes	Children
Input Summary							
	Property ID	Order	Caption	Default	Read Only	Show	
▶	s:SalesType	▼	1 Sales are in:	b) Dollars	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶	fNumSale	▼	2 Number of units		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶	fUnitPrice	▼	3 Unit price		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶	fRevenueAmount	▼	5 Revenue amount		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶	fSalesTax	▼	6 Sales Tax		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶	fMarketingSalesType	▼	100 Resulting Sales based on:		<input type="checkbox"/>	<input type="checkbox"/>	
▶		▼	101		<input type="checkbox"/>	<input type="checkbox"/>	
◀		▼			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
▶ Calculations Calculation Options							
Description:		update the inventory on hand if this is a sale					
Output Account		ocInventoryCountSale ▼					
Equation		([szSalesType]**"a")?[=sNumSale]:0					
		C++ Code <input type="checkbox"/>					

Fig. 18

Record: [<<] [<] [] [>] [>>]	[1] [2] [3] [4] [5] of 5	Copy	Print Current Object	Maintain Properties
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Record: [<<] [<] [] [>] [>>] 391 [] [] [] 50

FIG.	FIG.
CLASS	SUBCLASS

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 Application No.: To Be Assigned
 Docket No.: 410862000111

Sheet 19 of 29

19/29

Input Summary				Caption		Default	Read Only Show	
Property ID				Order				
▶	szSalesType	▶	1	Sales are in:		b) Dollars	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	fNumSale	▶	2	Number of units			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	fUnitPrice	▶	3	Unit Price			<input type="checkbox"/>	<input checked="" type="checkbox"/>

Fig. 18A

2024-03-23 15:44:03

204770" 5/3/493%

20/29

Calculation	Calculation Options
Description	update the inventory on hand if this is a sale
Output Account Equation	<div>acInventoryCountSale <input type="checkbox"/></div> <div>([^szSalesType]=="a")?[^=fNumSale]:0</div>
Record <input type="checkbox"/> of 5	

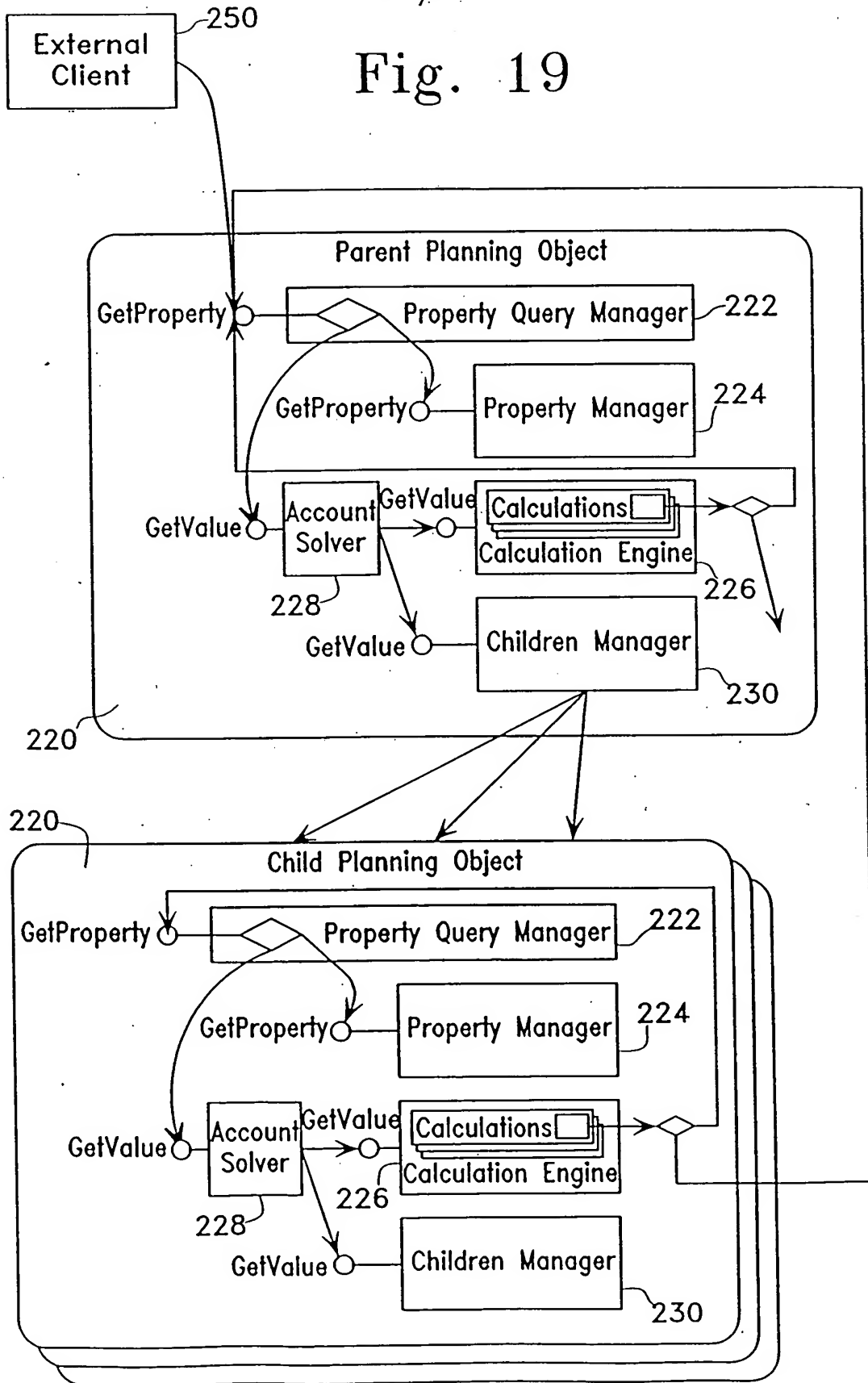
Fig. 18B

Calculation	Calculation Options
Description	update the inventory on hand if this is a sale
Accounts effected at object	<div><input type="radio"/> Beginning</div> <div><input checked="" type="radio"/> Regular Intervals</div> <div><input type="radio"/> Specific Date</div>
Product Segmentation	Loop Products <input type="checkbox"/>
Disable Scope Optimization	<input type="checkbox"/>
Skip Self	<input type="checkbox"/>
Value is time	<div><input checked="" type="radio"/> Dependent</div> <div><input type="radio"/> Independent</div>
Record <input type="checkbox"/> of 5	

Fig. 18C

21/29

Fig. 19



22/29

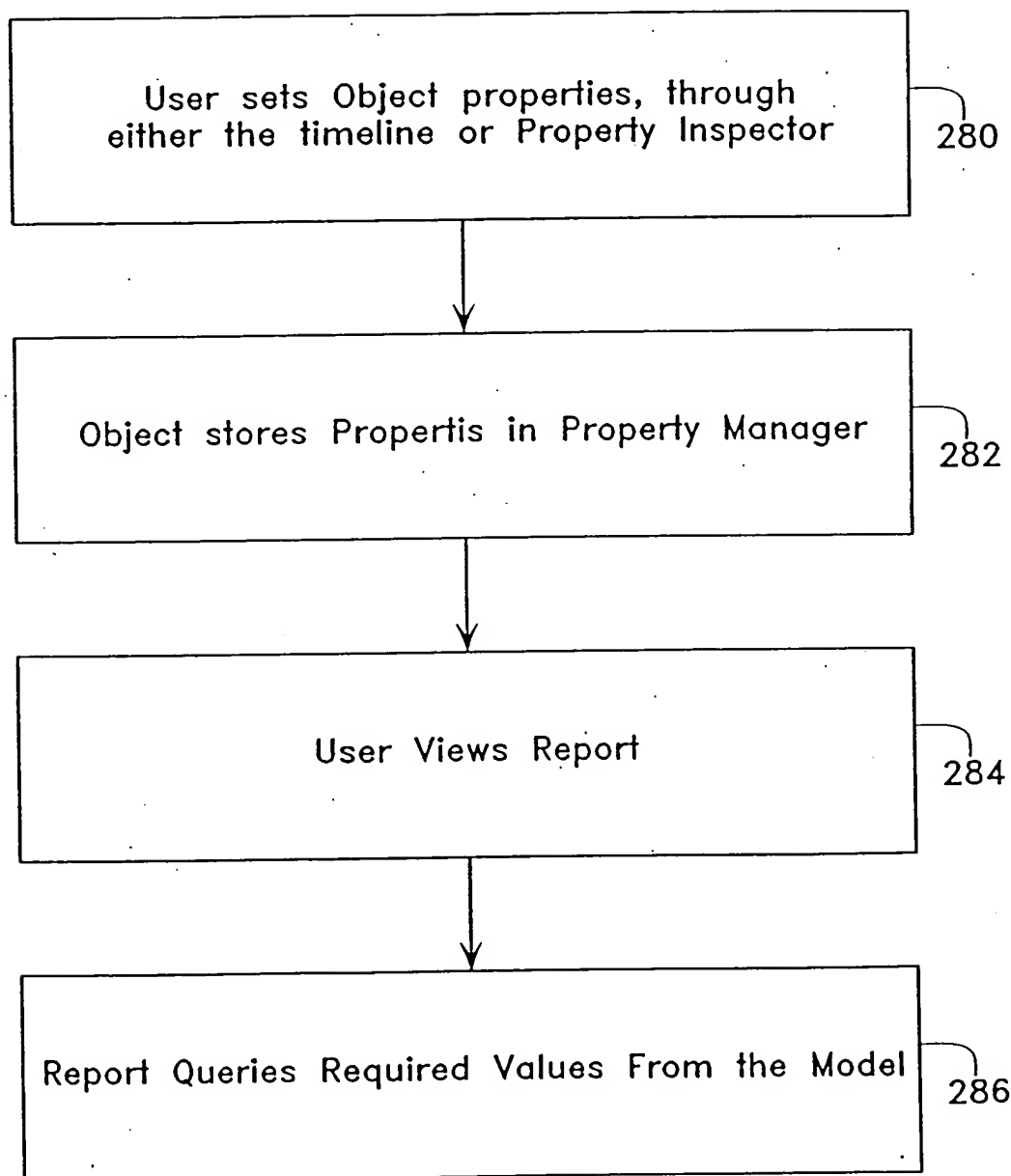
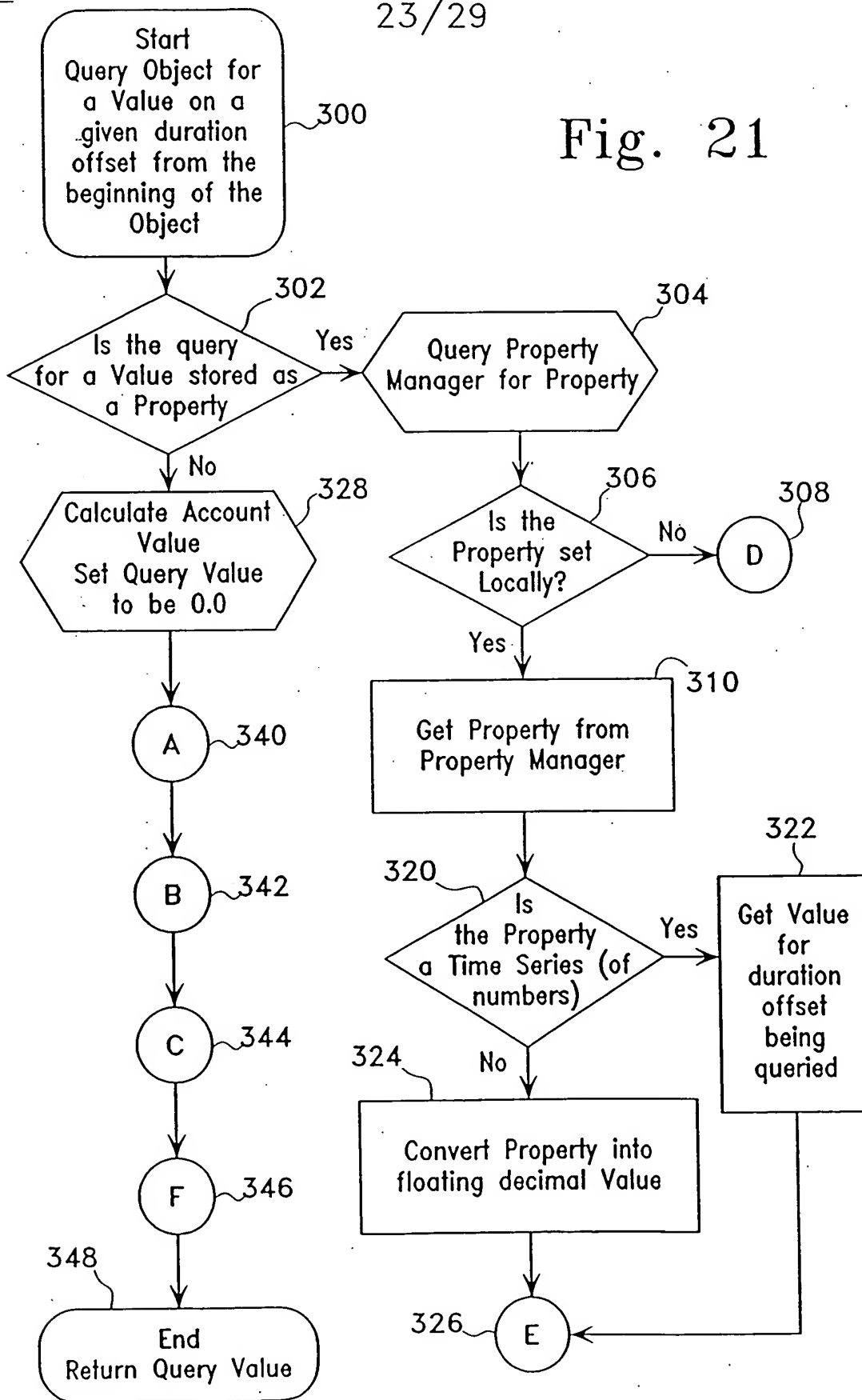


Fig. 20

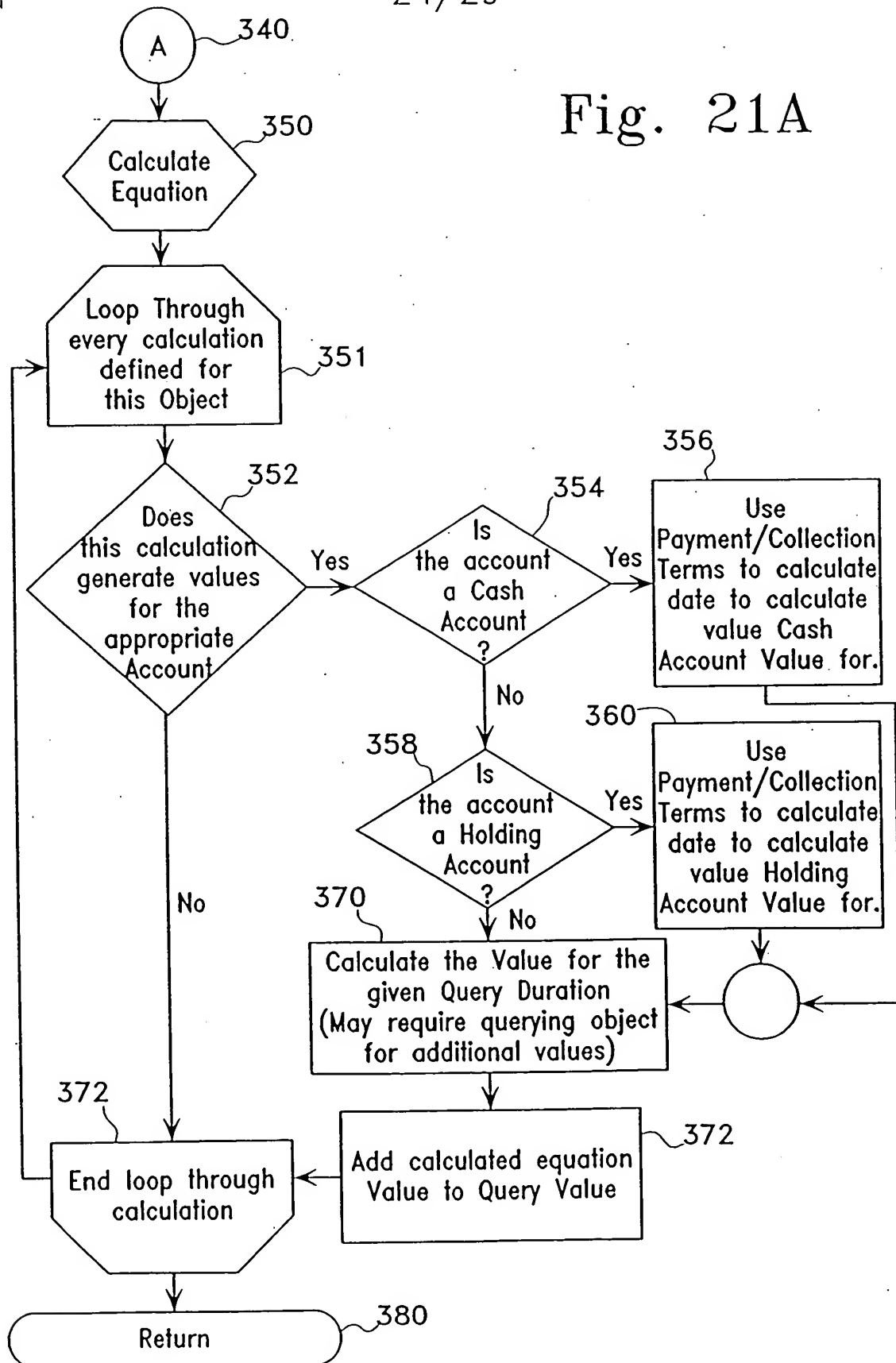
23/29

Fig. 21



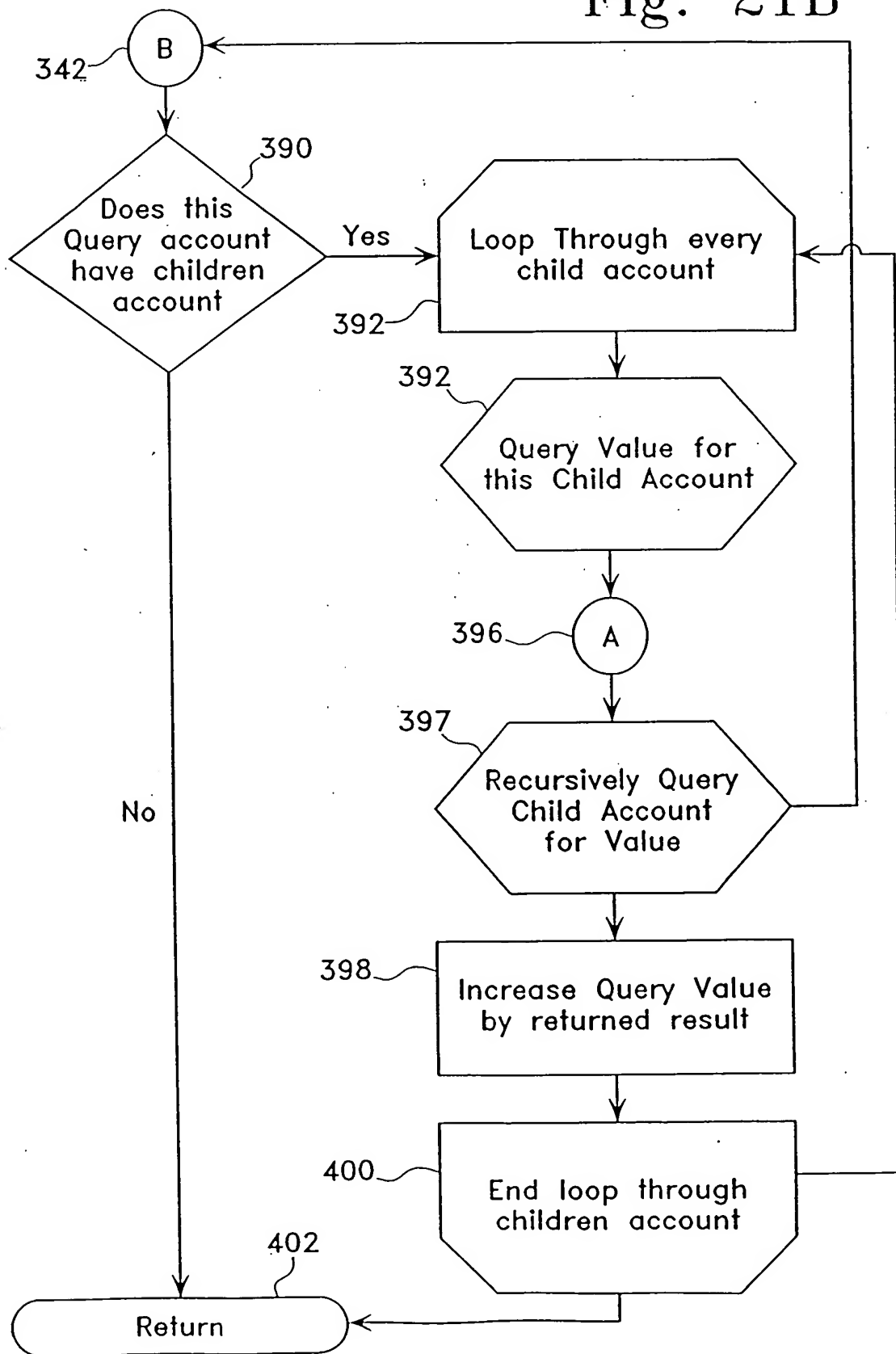
24/29

Fig. 21A



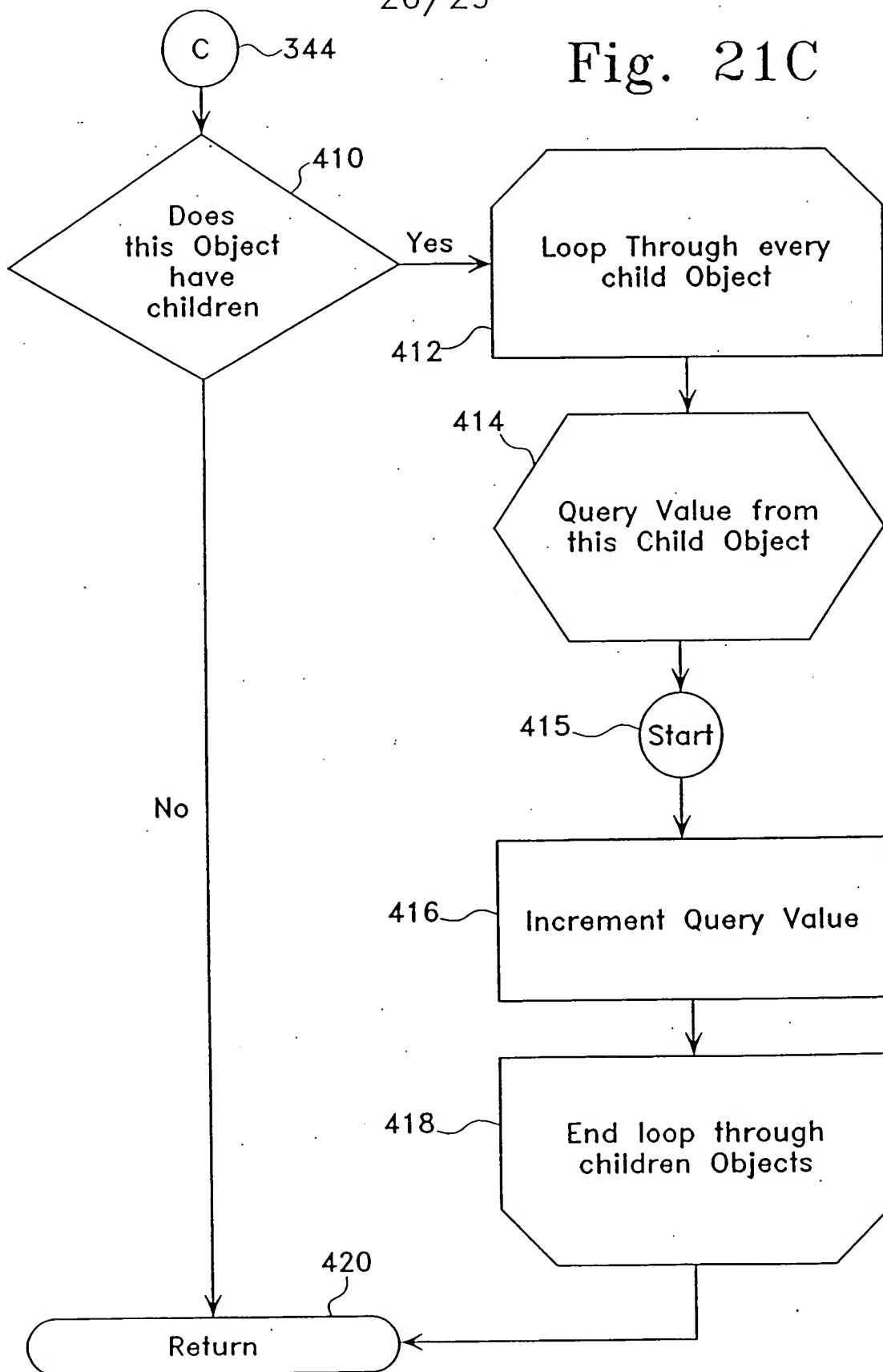
25/29

Fig. 21B



26/29

Fig. 21C



27/29

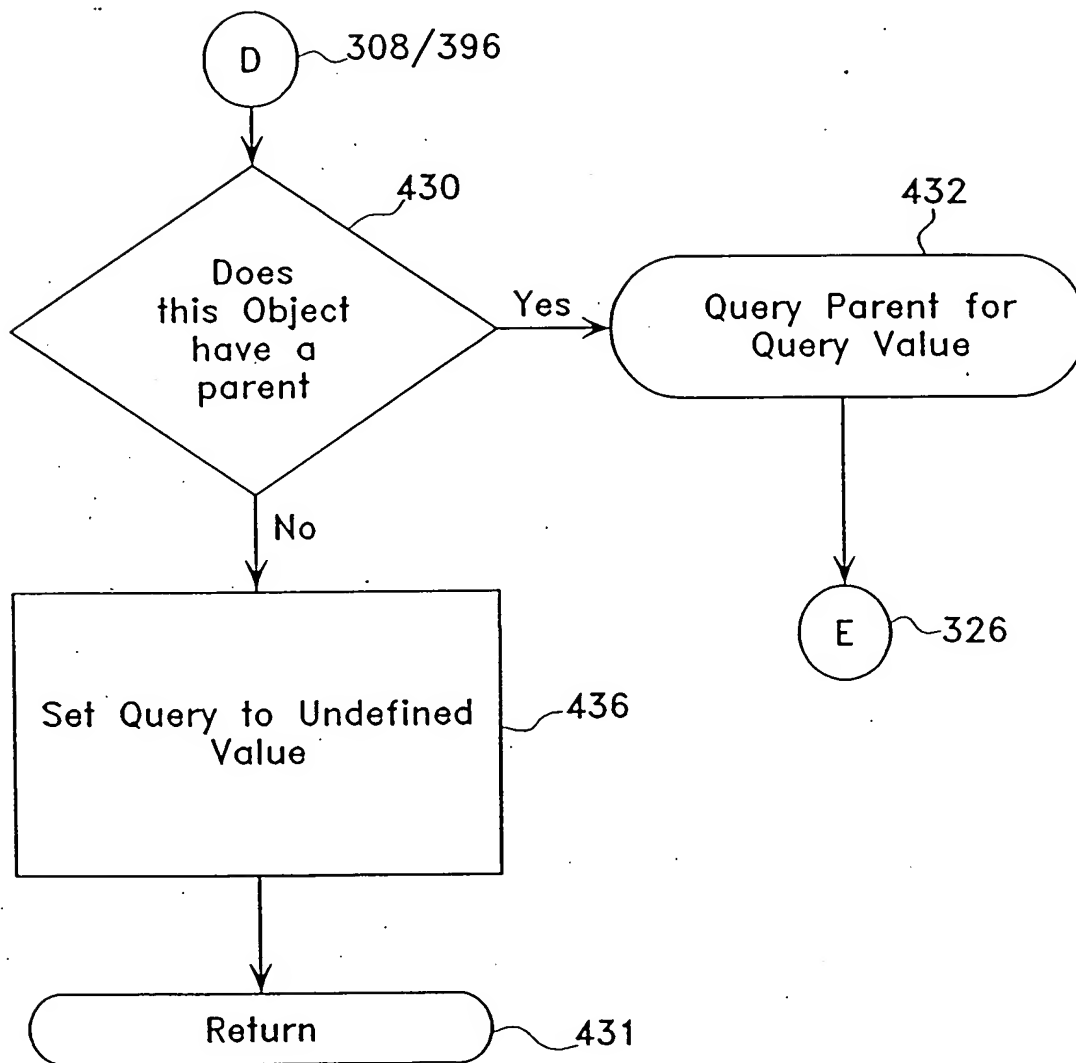
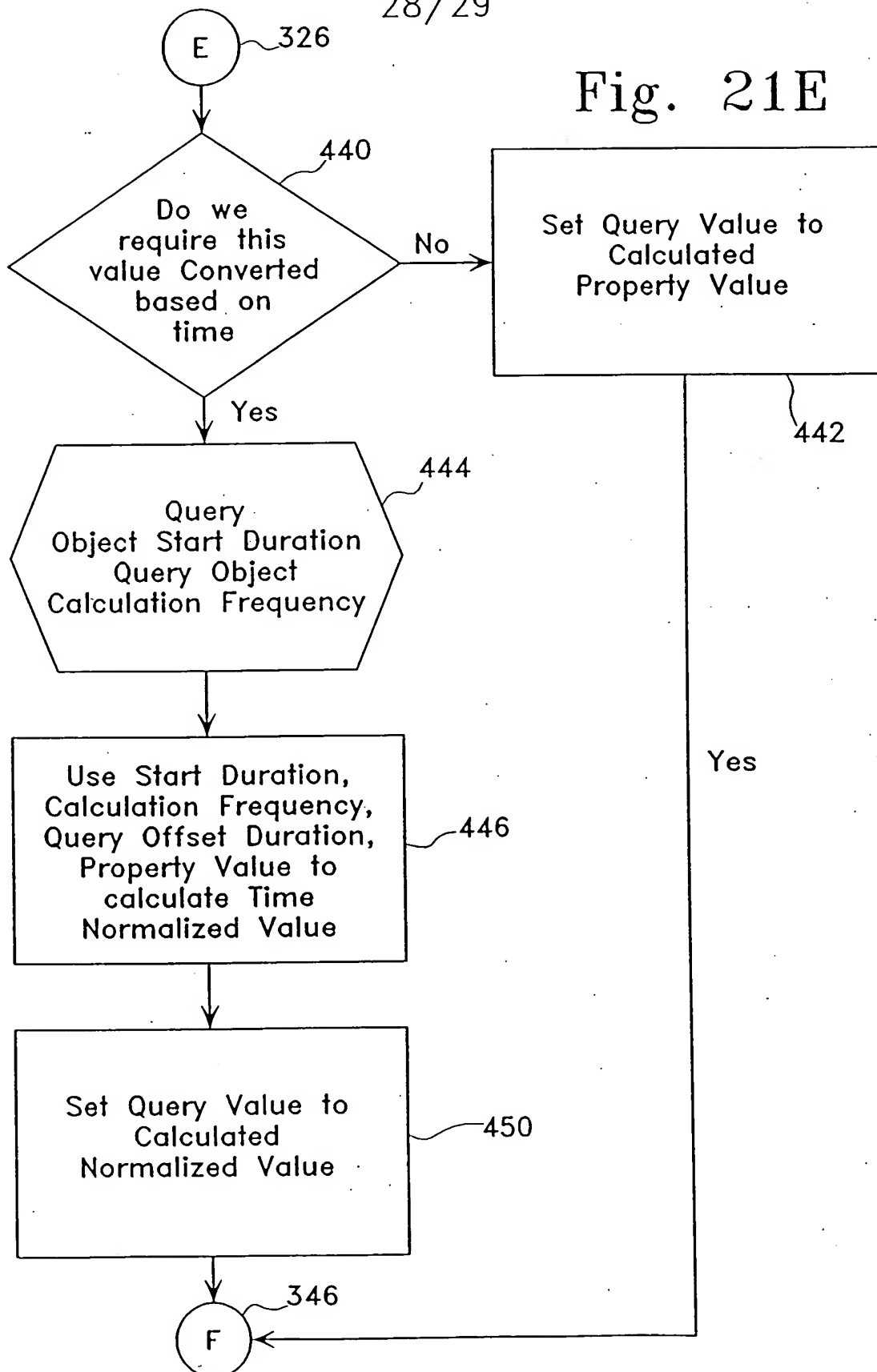


Fig. 21D

28/29

Fig. 21E



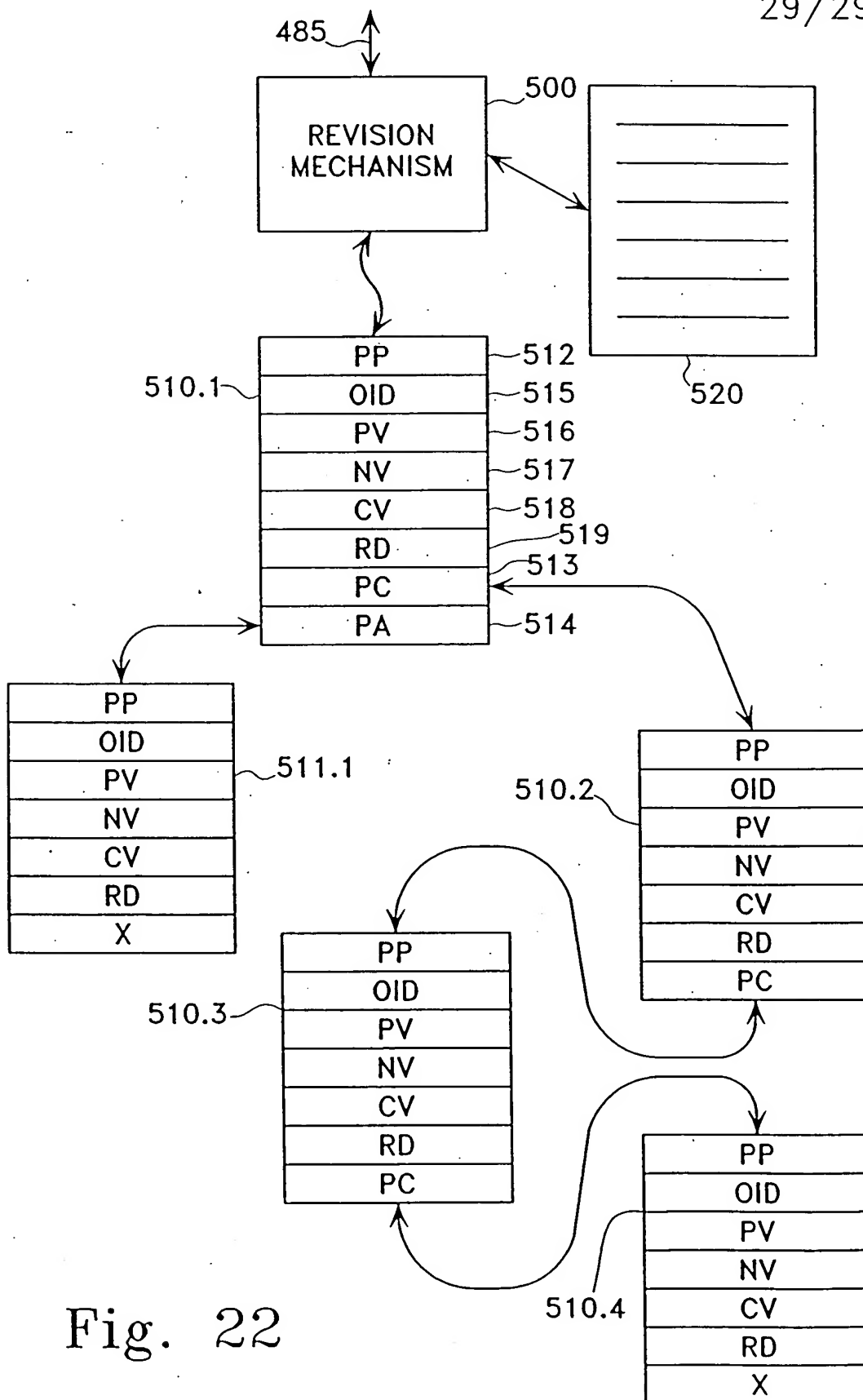


Fig. 22